

I hereby claim foreign priority benefits under 35 U.S.C. §119 of any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed:

Priority Claimed

(Application Serial Number)	(Country)	(Day/Month/Year Filed)
1	USA	1/1/2024
2	USA	2/1/2024
3	USA	3/1/2024
4	USA	4/1/2024
5	USA	5/1/2024
6	USA	6/1/2024
7	USA	7/1/2024
8	USA	8/1/2024
9	USA	9/1/2024
10	USA	10/1/2024
11	USA	11/1/2024
12	USA	12/1/2024
13	USA	1/1/2025
14	USA	2/1/2025
15	USA	3/1/2025
16	USA	4/1/2025
17	USA	5/1/2025
18	USA	6/1/2025
19	USA	7/1/2025
20	USA	8/1/2025
21	USA	9/1/2025
22	USA	10/1/2025
23	USA	11/1/2025
24	USA	12/1/2025
25	USA	1/1/2026
26	USA	2/1/2026
27	USA	3/1/2026
28	USA	4/1/2026
29	USA	5/1/2026
30	USA	6/1/2026
31	USA	7/1/2026
32	USA	8/1/2026
33	USA	9/1/2026
34	USA	10/1/2026
35	USA	11/1/2026
36	USA	12/1/2026
37	USA	1/1/2027
38	USA	2/1/2027
39	USA	3/1/2027
40	USA	4/1/2027
41	USA	5/1/2027
42	USA	6/1/2027
43	USA	7/1/2027
44	USA	8/1/2027
45	USA	9/1/2027
46	USA	10/1/2027
47	USA	11/1/2027
48	USA	12/1/2027
49	USA	1/1/2028
50	USA	2/1/2028
51	USA	3/1/2028
52	USA	4/1/2028
53	USA	5/1/2028
54	USA	6/1/2028
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65	USA	5/1/2029
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67	USA	7/1/2029
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72	USA	12/1/2029
73	USA	1/1/2030
74	USA	2/1/2030
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77	USA	5/1/2030
78	USA	6/1/2030
79	USA	7/1/2030
80	USA	8/1/2030
81	USA	9/1/2030
82	USA	10/1/2030
83	USA	11/1/2030
84	USA	12/1/2030
85	USA	1/1/2031
86	USA	2/1/2031
87	USA	3/1/2031
88	USA	4/1/2031
89	USA	5/1/2031
90	USA	6/1/2031
91	USA	7/1/2031
92	USA	8/1/2031
93	USA	9/1/2031
94	USA	10/1/2031
95	USA	11/1/2031
96	USA	12/1/2031
97	USA	1/1/2032
98	USA	2/1/2032
99	USA	3/1/2032
100	USA	4/1/2032

☐ Yes ☐ No

(Application Serial Number)	(Country)	(Day/Month/Year Filed)
1	USA	10/10/2018
2	USA	10/10/2018
3	USA	10/10/2018
4	USA	10/10/2018
5	USA	10/10/2018
6	USA	10/10/2018
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8	USA	10/10/2018
9	USA	10/10/2018
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11	USA	10/10/2018
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41	USA	10/10/2018
42	USA	10/10/2018
43	USA	10/10/2018
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46	USA	10/10/2018
47	USA	10/10/2018
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91	USA	10/10/2018
92	USA	10/10/2018
93	USA	10/10/2018
94	USA	10/10/2018
95	USA	10/10/2018
96	USA	10/10/2018
97	USA	10/10/2018
98	USA	10/10/2018
99	USA	10/10/2018
100	USA	10/10/2018

☐ Yes ☐ No

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Application Serial Number) (Day/Month/Year Filed)

(Application Serial Number) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. §120 of any United States application(s) or PCT international application(s) designating the United States of America listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior application(s) in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in 37 C.F.R. §1.56 which occurred between the filing date of the prior application(s) and the national or PCT international filing date of this application:


[illegible][illegible]

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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State or Country Illinois	State or Country Illinois
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City (Zip)	City (Zip)
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State or Country	State or Country
Date <input checked="" type="checkbox"/>	Signature <input checked="" type="checkbox"/>

37 CFR 1.56. DUTY OF DISCLOSURE - INFORMATION MATERIAL TO PATENTABILITY (Applicable Portion)

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentability defines, to make sure that any material information contained therein is disclosed to the Office.

Information relating to the following factual situations enumerated in 35 USC 102 and 103 may be considered material under 37 CFR 1.56(a).

35 U.S.C. 102. CONDITIONS FOR PATENTABILITY: NOVELTY AND LOSS OF RIGHT TO PATENT

A person shall be entitled to a patent unless --

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for patent, or

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of the application for patent in the United States, or

(c) he has abandoned the invention, or

(d) the invention was first patented or caused to be patented, or was the subject of an inventor's certificate, by the applicant or his legal representatives or assigns in a foreign country prior to the date of the application for patent in this country on an application for patent or inventor's certificate filed more than twelve months before the filing of the application in the United States, or

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraph (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent, or

(f) he did not himself invent the subject matter sought to be patented, or

(g) before the applicant's invention thereof the invention was made in this country by another who had not abandoned, suppressed, or concealed it. In determining priority of invention there shall be considered not only the respective dates of conception and reduction to practice of the invention, but also the reasonable diligence of one who was first to conceive and last to reduce to practice, from a time prior to conception by the other.

35 U.S.C. 103. CONDITIONS FOR PATENTABILITY; NON-OBVIOUS SUBJECT MATTER (Applicable Portion)

A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Subject matter developed by another person, which qualifies as prior art only under subsection (f) or (g) of section 102 of this title, shall not preclude patentability under this section where the subject matter and the claimed invention were, at the time the invention was made, owned by the same person or subject to an obligation of assignment to the same person.

35 U.S.C. 112. SPECIFICATION (Applicable Portion)

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same, and shall set forth the best mode contemplated by the inventor of carrying out his invention.



